

JAVA PROJECT

Paint Program

Made by KAU



JAVA PROJECT

Paint Program

- Design of Class
- Design of Function
- Design of UI
- Implementation



Design of Class

▼ SubFrame

- BottomLabel
- DrawInternalFrame
- GetSpecifcColorInternalFrame
- LeftPanel
- RightDownInternalFrame
- RightUpInternalFrame
- TopMenu
- TopPanel

▼ Figure

- Circle
- Eraser
- Figure
- Line
- Pen
- PenType
- Picture
- Polygon
- Rectangle
- RecType
- Text

▼ Frame

- main
- MainDesktopPane
- MainFrame

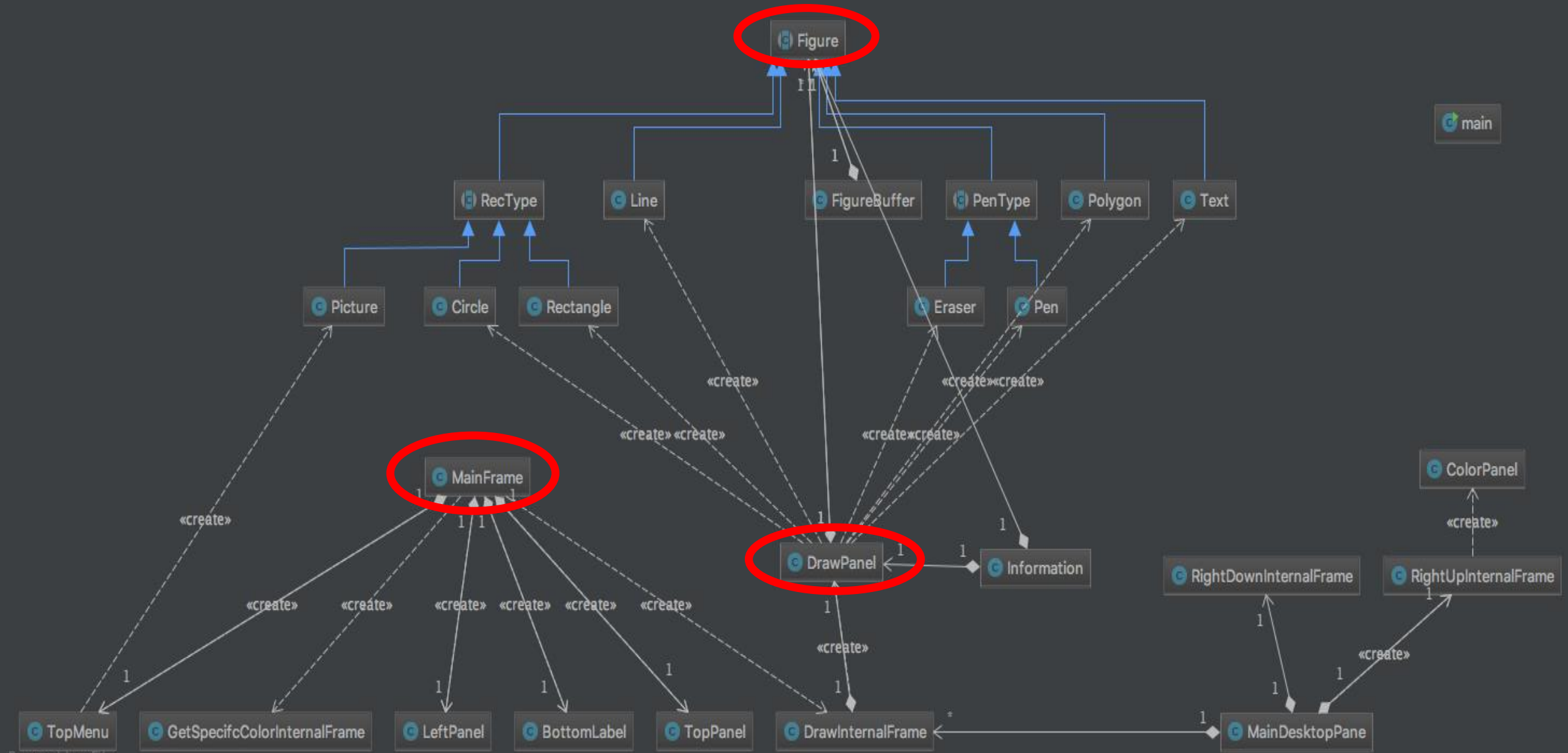
▼ Information

- FigureBuffer
- Information

▼ SubPanel

- ColorPanel
- DrawPanel

Class Block Diagram



Design of Function

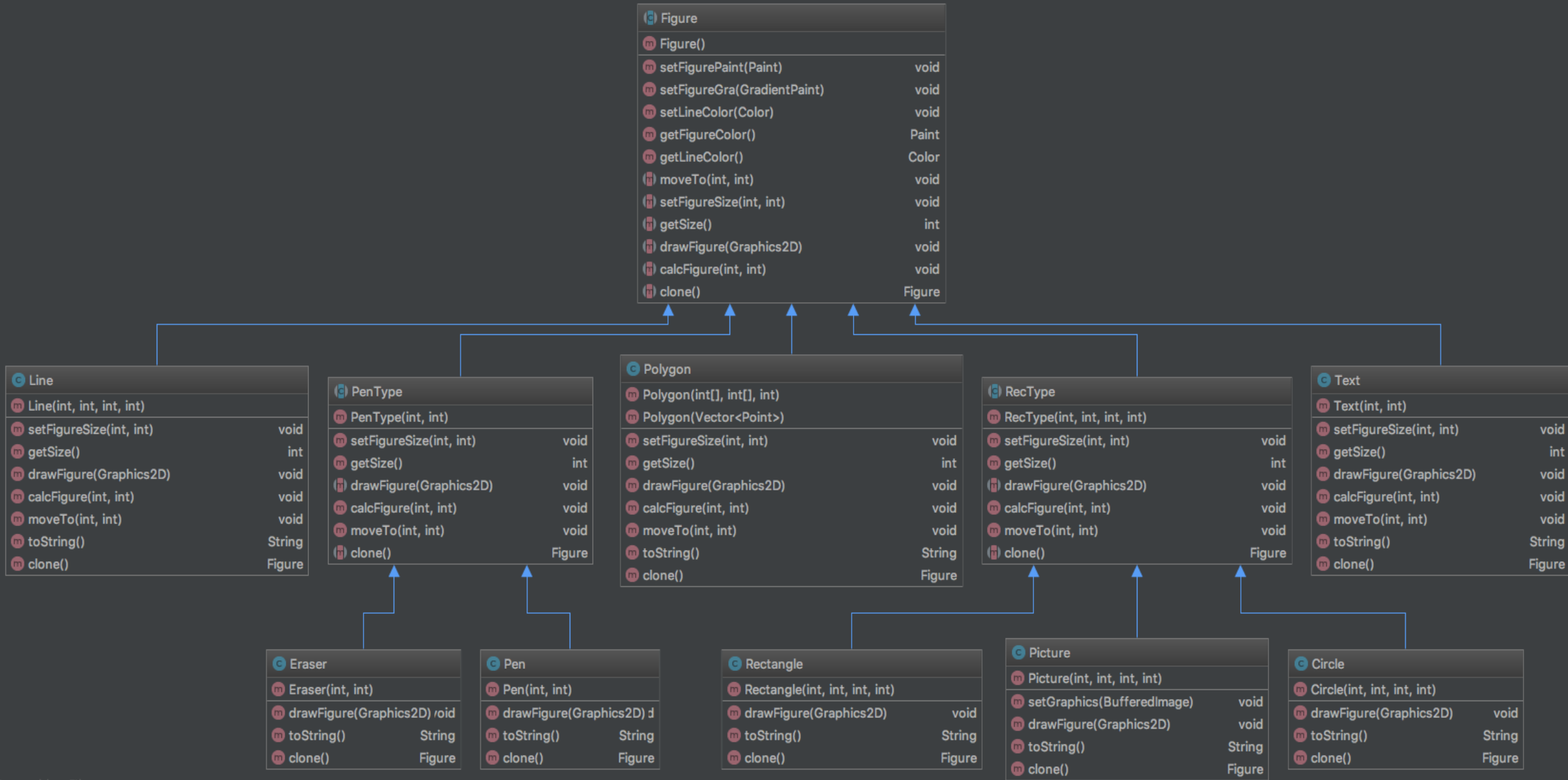
기본 요구사항

- ✓ 저장/불러오기
- ✓ 자유 드로잉
- ✓ 직선/사각형/원 드로잉
- ✓ 색상 채우기
- ✓ 지우기
- ✓ 전경/배경 색상 선택

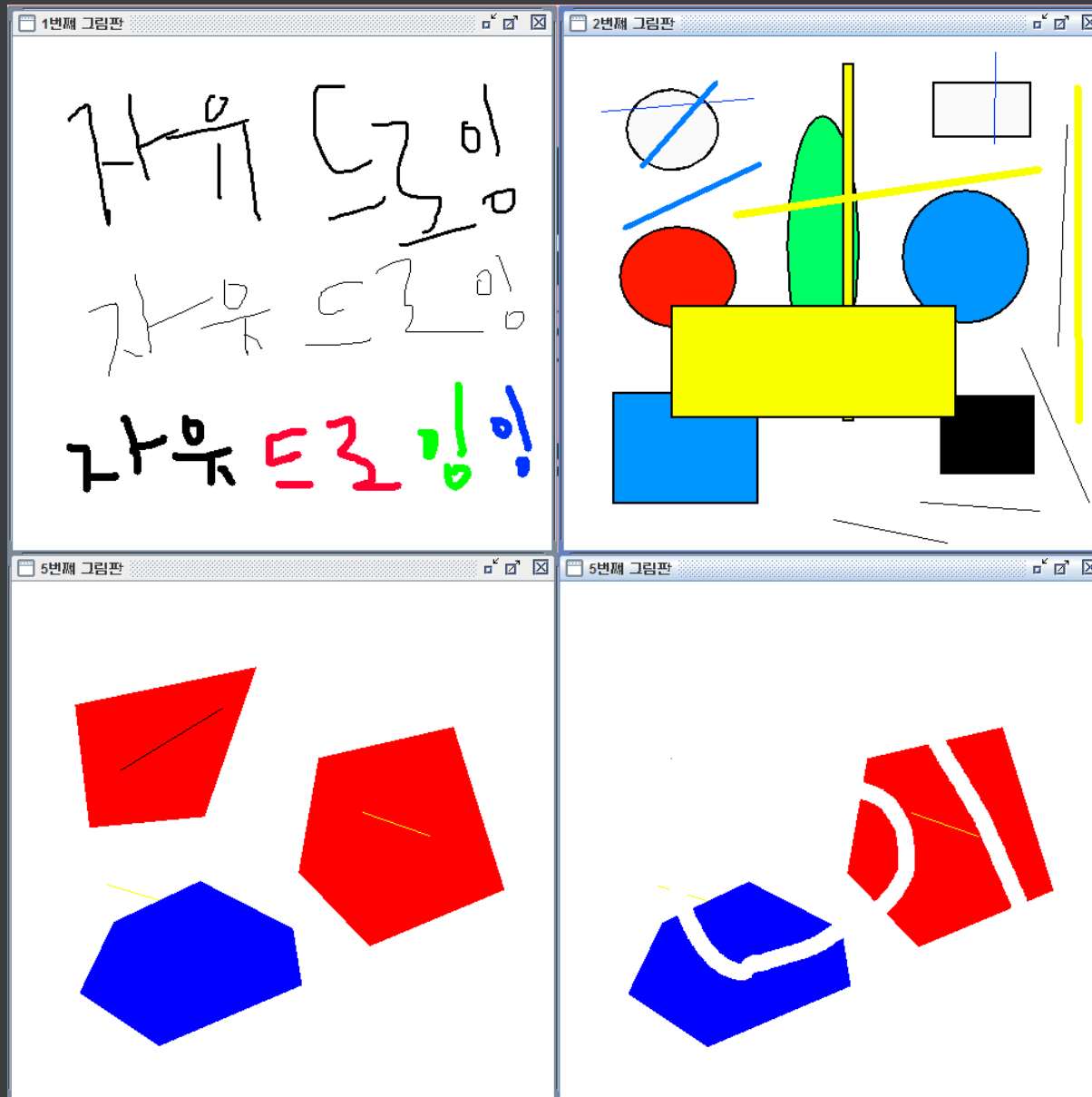
추가 요구사항

- ✓ 드로잉된 개체 선택기능
- ✓ 다각형 드로잉
- ✓ 직선 점 드로잉
- ✓ 그라데이션 채우기
- ✓ 투명도
- ☐ 레이어
- ✓ JPEG/PNG 등 다른 형식으로 저장/불러오기

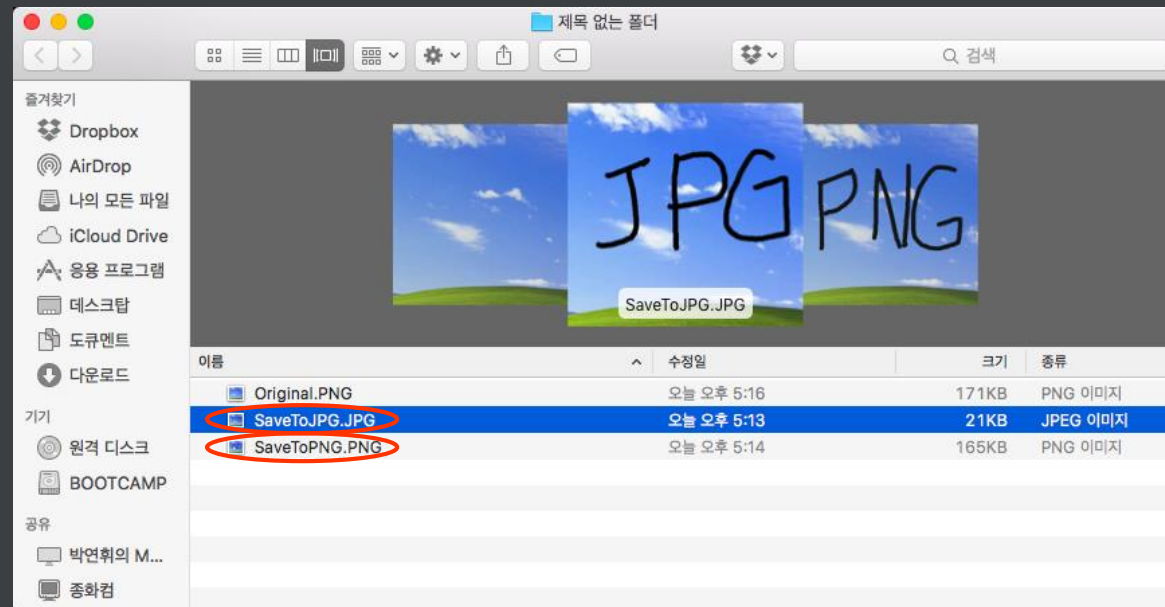
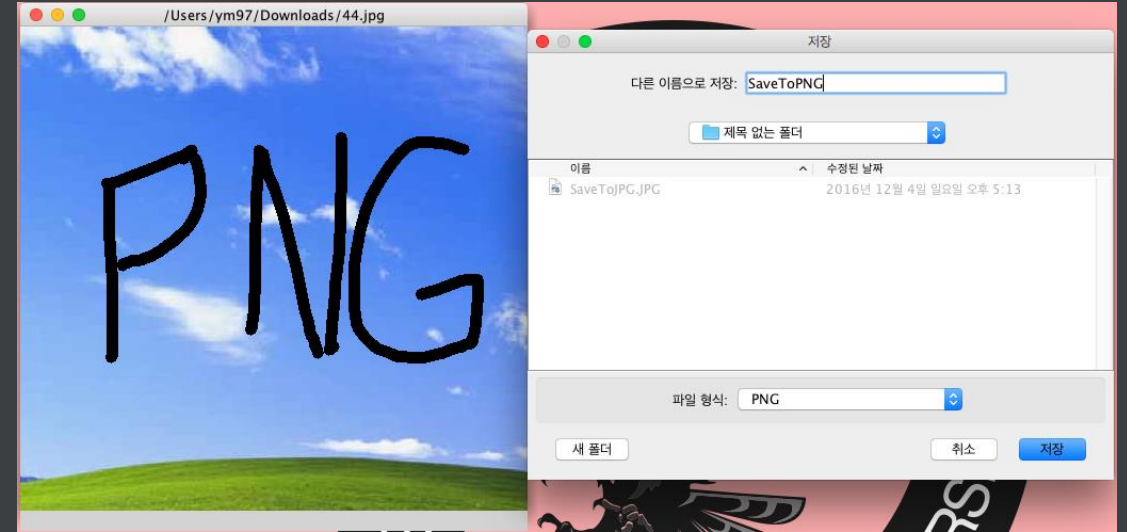
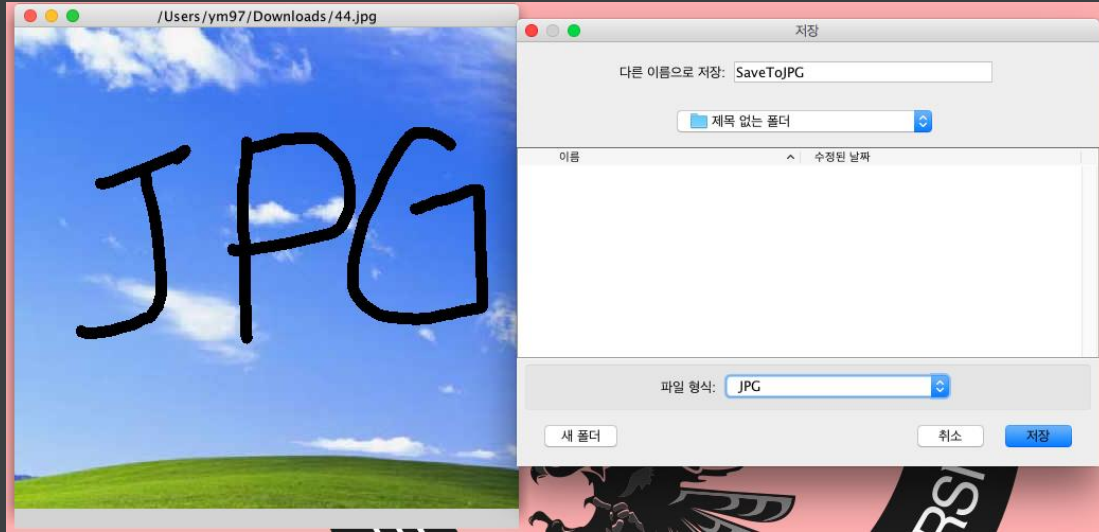
Figure Package



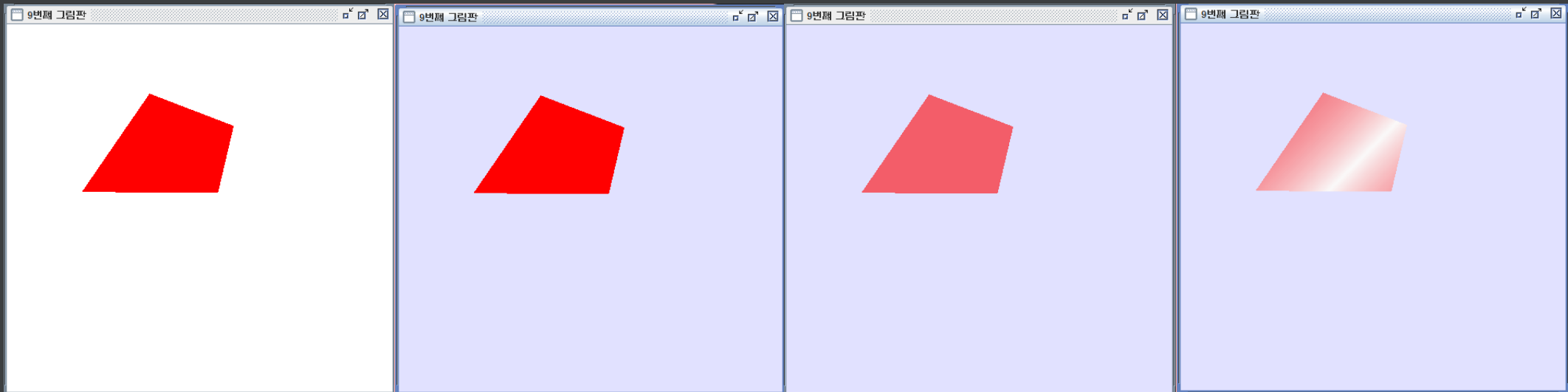
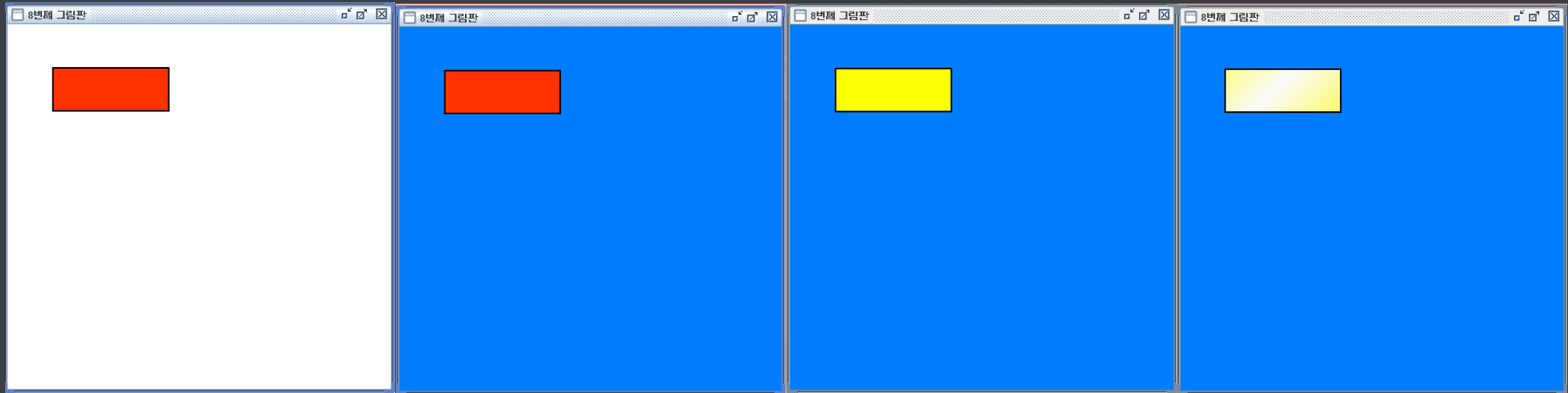
Drawing Function



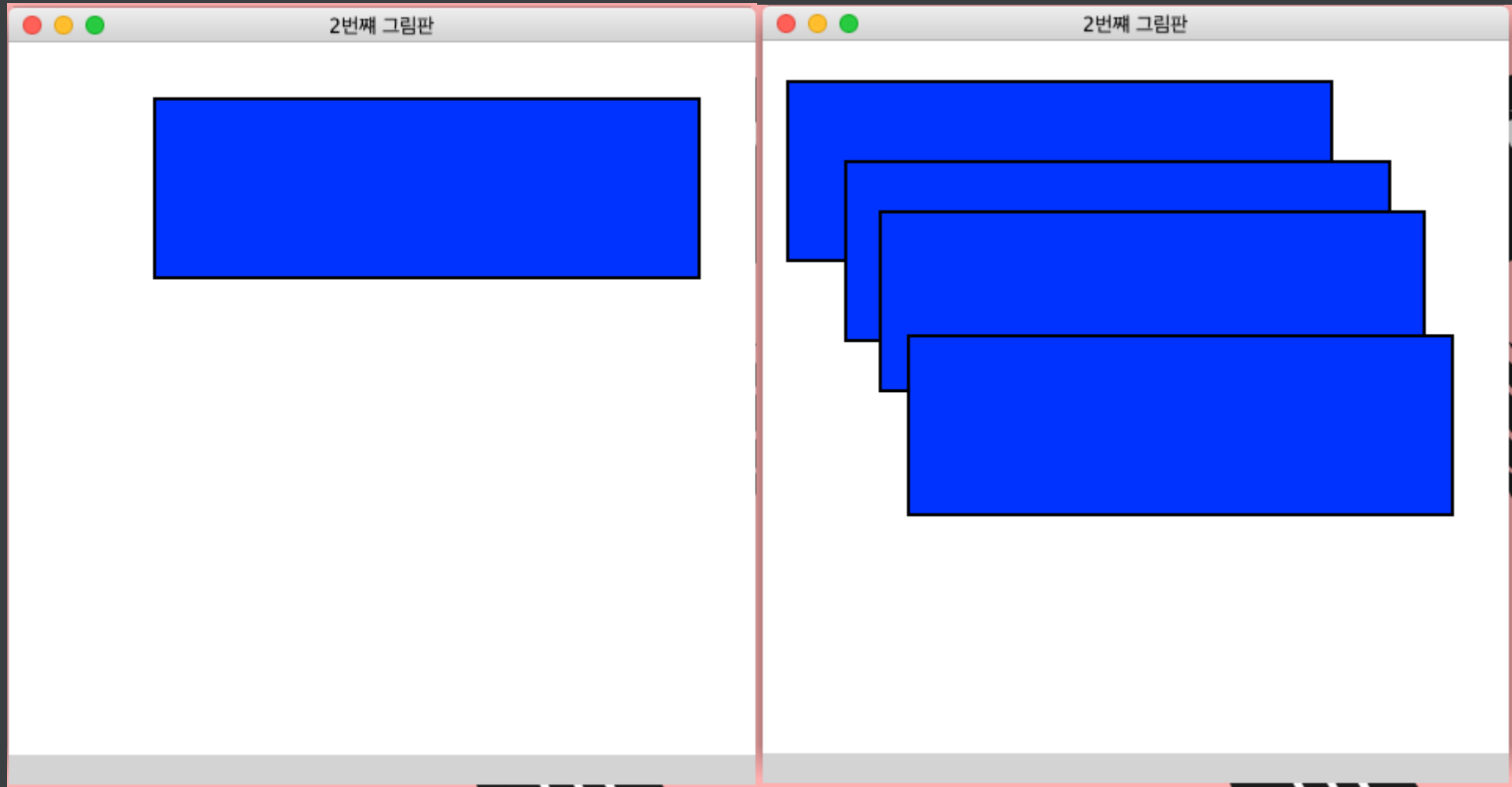
Save/Open File Function



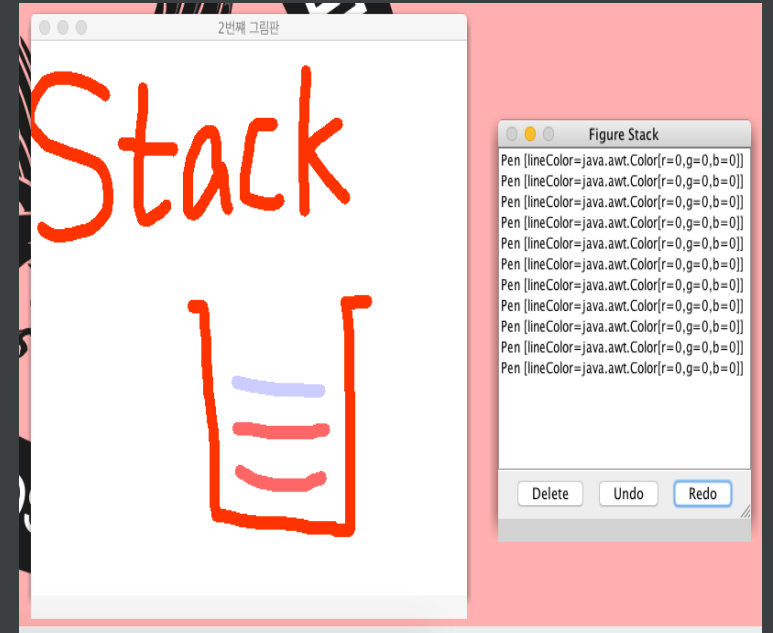
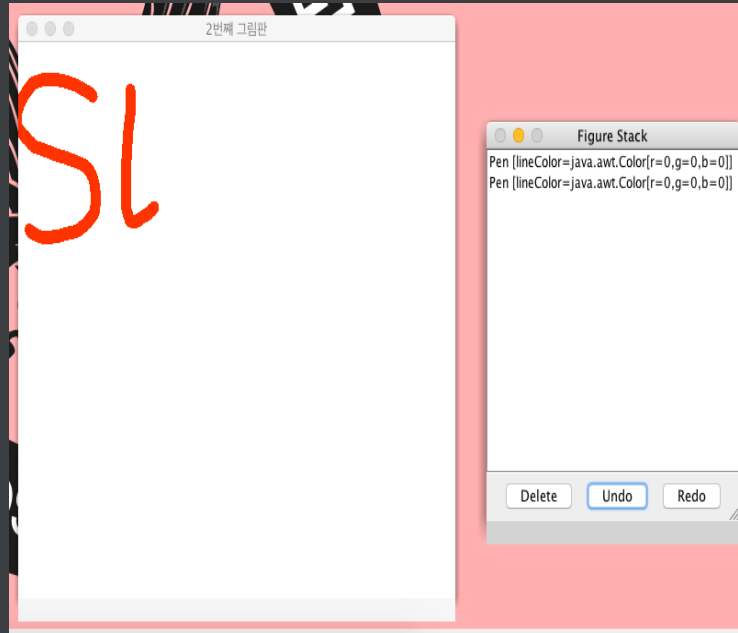
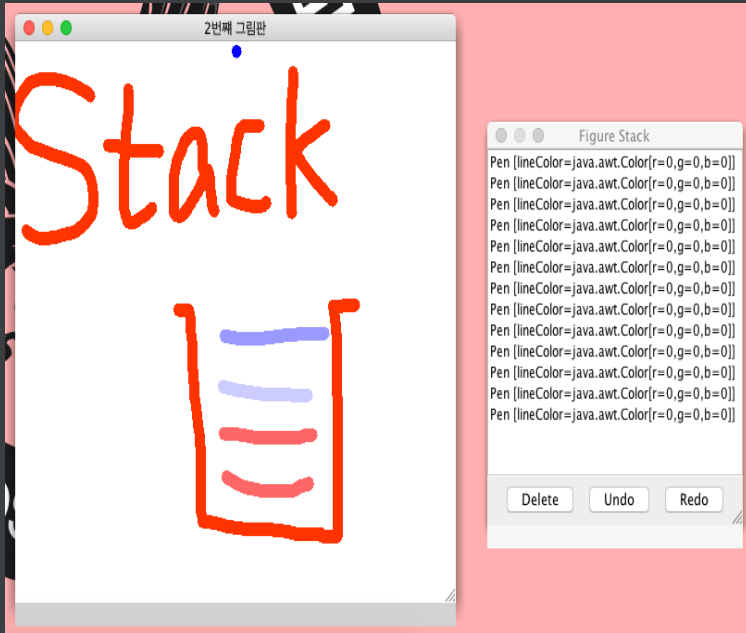
Color Fuction



Object Function



Return Function



Design of UI & UI Package

▼ SubFrame

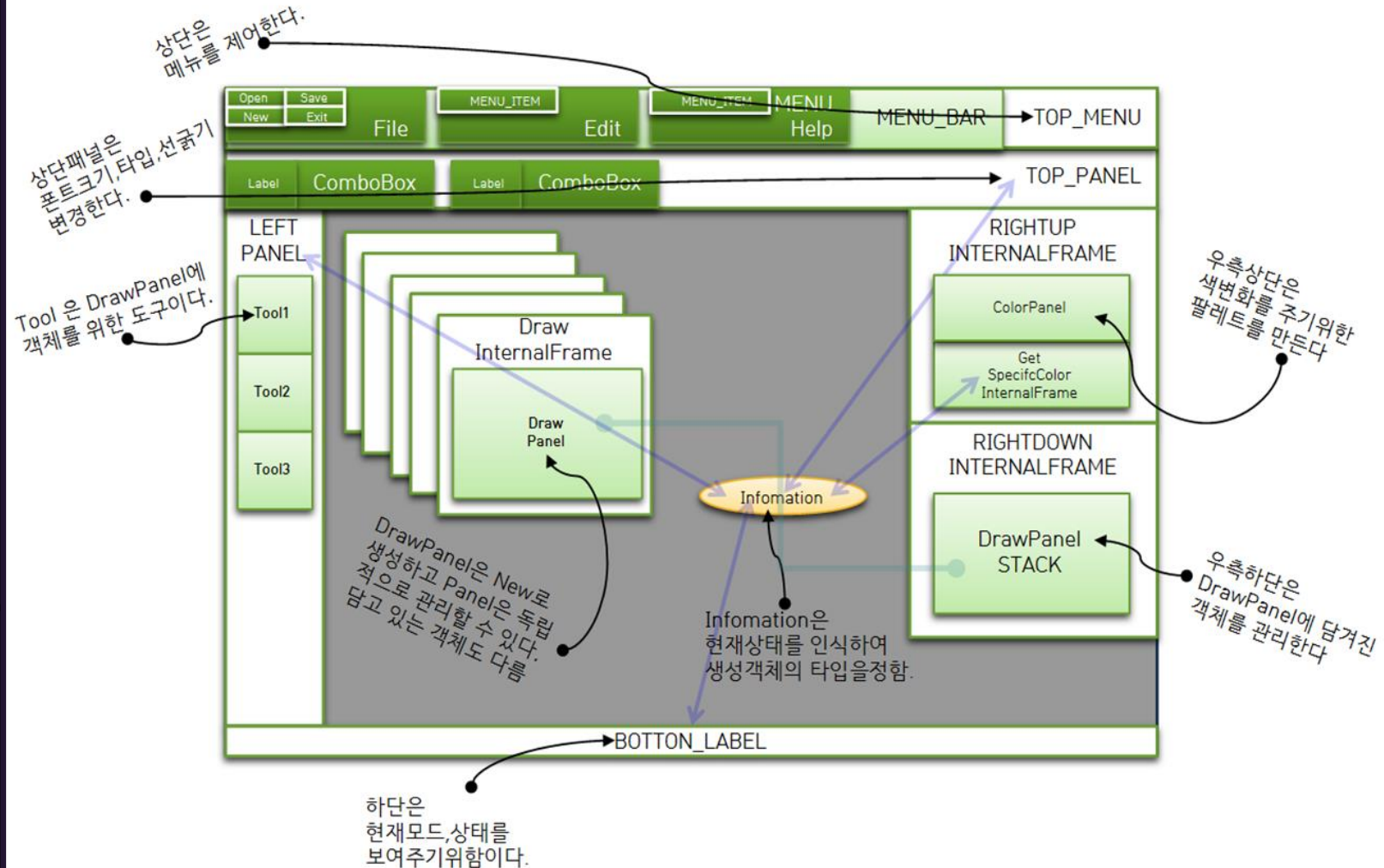
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Thank you